

Amendments to the Claims

Please cancel claims 2, 3, 15, 16, 24 and 25 amend claims 1, 4-7, 10, 12, 14, 17, 21, 23, 26 and 27 as shown in the following listing of claims. This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1 1. (currently amended) A device, comprising:
2 a two-way radio comprising a transmitter system and a receiver
3 system, wherein the transmitter system is adapted to transmit ~~a first~~ an outgoing
4 digitized video signal, wherein the transmitter system is adapted to transmit ~~a first~~
5 an outgoing digitized audio signal, wherein the receiver system is adapted to
6 receive ~~a second~~ an incoming digitized video signal, and wherein the receiver
7 system is adapted to receive ~~a second~~ an incoming digitized audio signal,
8 wherein the transmitter system comprises an encoder block adapted to
9 compress an input digitized video signal, an input digitized audio signal, or both
10 the input digitized video signal and the input digitized audio signal to produce the
11 outgoing digitized video signal, the outgoing digitized audio signal, or both the
12 outgoing digitized video signal and the outgoing digitized audio signal, the
13 encoder block comprising:
14 a video encoder for compressing the input digitized video signal;
15 an audio encoder for compressing the input digitized audio signal;
16 a multiplexer coupled to the video encoder and the audio encoder
17 to receive output signals of the video encoder and the audio encoder; and
18 a first switching means including multiple inputs to receive one or
19 both of the input digitized video signal and the input digitized audio signal, the
20 first switching means including multiple outputs connected to the video encoder
21 and the audio encoder to transmit one or both of the input digitized video signal
22 and the input digitized audio signal to the video encoder and the audio encoder.
- 1 2. (canceled).
- 1 3. (canceled).

1 4. (currently amended) The device of claim 1 [[2]], wherein ~~the decoder~~
2 ~~block further comprises a second switching means is adapted to switch output~~
3 ~~signals from the demultiplexer to the video decoder, the audio decoder, or both the~~
4 ~~video decoder and the audio decoder, and wherein the output signals from the~~
5 ~~demultiplexer are selected from the group consisting of the second video signal,~~
6 ~~the second audio signal, and both the second video signal and the second audio~~
7 ~~signal~~ the receiver system comprises a decoder block adapted to decompress the
8 incoming digitized video signal, the incoming digitized audio signal, or both the
9 incoming digitized video signal and the incoming digitized audio signal, the
10 encoder block comprising:

11 a video decoder for decompressing the incoming video signal;
12 an audio decoder for decompressing the incoming audio signal;
13 a demultiplexer to demultiplex incoming signals into the incoming
14 video signal and the incoming audio signal; and
15 a second switching means including multiple inputs to receive one
16 or both of the incoming digitized video signal and the incoming digitized audio
17 signal from the demultiplexer, the first switching means including multiple
18 outputs connected to the video decoder and the audio decoder to transmit one or
19 both of the incoming digitized video signal and the incoming digitized audio
20 signal to the video decoder and the audio decoder.

1 5. (currently amended) The device of claim 1 [[2]], wherein the encoder
2 block comprises a hardware encoder block, ~~and wherein the decoder block~~
3 ~~comprises a hardware decoder block.~~

1 6. (currently amended) The device of claim 1 [[2]], wherein the encoder
2 block comprises a software encoder block, ~~and wherein the decoder block~~
3 ~~comprises a software decoder block.~~

1 7. (currently amended) The device of claim 1 [[2]], wherein the transmitter
2 system further comprises a video input device for accepting a video signal, an
3 audio input device for accepting an audio signal, an analog to digital (A/D)
4 convertor block for digitizing the video signal and the audio signal, a modulator

5 for modulating at least one of the digitized video and audio ~~signals~~ signal so as to
6 generate at least one modulated signal, a transmitter for transmitting the at least
7 one modulated signal, and an antenna coupled to the transmitter, and wherein the
8 receiver system ~~further~~ comprises a receiver coupled to the antenna for receiving a
9 second modulated signal, a demodulator for demodulating the second modulated
10 signal, a digital to analog (D/A) convertor block for converting the ~~second~~
11 incoming digitized video signal into an analog video signal and the ~~second~~
12 incoming digitized audio signal into an analog audio signal, a video output device
13 for displaying the analog video signal, and an audio output device for outputting
14 the analog audio signal.

1 8. (original) The device of claim 7, wherein the video input device comprises
2 a video camera, and wherein the video output device comprises a monitor.

1 9. (original) The device of claim 8, wherein the monitor is selected from the
2 group consisting of a liquid crystal display (LCD) monitor and a cathode-ray tube
3 (CRT) monitor.

1 10. (currently amended) The device of claim 8, wherein the monitor is selected
2 from the group consisting of a color monitor and a monochrome monitor.

1 11. (original) The device of claim 1, wherein the two-way radio is adapted to
2 transmit and receive audio and video signals over a service selected from the
3 group consisting of Family Radio Service (FRS) and General Mobile Radio
4 Service (GMRS).

1 12. (currently amended) The device of claim 1, wherein the input digitized
2 video signal and the input digitized audio signal are both digitally compressed
3 using a digital compression standard selected from the group consisting of
4 Moving Pictures Experts Group-4 (MPEG-4) and H.263, and wherein the ~~second~~
5 incoming digitized video signal and ~~second~~ the incoming digitized audio signal
6 are both digitally decompressed using a digital decompression standard selected
7 from the group consisting of MPEG-4 and H.263.

1 13. (original) The device of claim 12, wherein the digitally compressed video
2 signal and the digitally compressed audio signal are both transmitted in a
3 bandwidth that is in a range of about 10 Kilobits per second (Kbps) to about 20
4 Kbps.

1 14. (currently amended) A method, comprising:
2 providing a two-way radio comprising a transmitter system,
3 wherein the transmitter system comprises a video input device, an audio input
4 device, an analog to digital A/D converter block, an encoder block, a modulator,
5 and a transmitter;
6 receiving and digitizing, by the A/D converter block, a video signal
7 from the video input device and an audio signal from the audio input device;
8 digitally compressing, by the encoder block, the digitized audio
9 signal, the digitized video signal, or both the digitized audio signal and the
10 digitized video signal;
11 modulating, by the modulator, the digitally compressed audio
12 signal, the digitally compressed video signal, or both the digitally compressed
13 audio signal and the digitally compressed video signal so as to generate a digitally
14 compressed modulated signal; and
15 transmitting, by the transmitter, the digitally compressed
16 modulated signal,
17 wherein the encoder block comprises a video encoder, an audio encoder,
18 and a multiplexer coupled to the video encoder and the audio encoder, wherein the
19 video encoder digitally compresses the video signal, and wherein the audio
20 encoder digitally compresses the audio signal, the method further comprising:
21 switching by a switching means for switching the digitized audio
22 signal to the audio encoder, the digitized video signal to the video encoder, or both
23 the digitized audio signal to the audio encoder and the digitized video signal to the
24 video encoder, the switching means including multiple inputs to receive one or
25 both of the digitized video signal and the digitized audio signal from the A/D
26 converter block, the switching means including multiple outputs connected to the
27 video encoder and the audio encoder to transmit one or both of the digitized video
28 signal and the digitized audio signal to the video encoder and the audio encoder.

1 15. (canceled).

1 16. (canceled).

1 17. (currently amended) The method of claim 14, wherein the encoder block
2 comprises a hardware encoder block[[,]].

1 18. (original) The method of claim 14, wherein the encoder block comprises a
2 software encoder block.

1 19. (original) The method of claim 14, wherein the video input device
2 comprises a video camera.

1 20. (original) The method of claim 14, further comprising transmitting the
2 digitally compressed modulated signal over a service selected from the group
3 consisting of Family Radio Service (FRS) and General Mobile Radio Service
4 (GMRS).

1 21. (currently amended) The method of claim 14, wherein digitally
2 compressing the digitized audio signal and the ~~digitize~~ digitized video signal uses
3 a digital compression standard selected from the group consisting of Moving
4 Pictures Experts Group-4 (MPEG-4).

1 22. (original) The method of claim 14, further comprising transmitting the
2 digitally compressed modulated signal in a bandwidth that is in a range of about
3 10 Kilobits per second (K/bs) to about 20 K/bs.

1 23. (currently amended) The method of claim 14, further comprising:[[;]]
2 wherein the two way radio further comprises a receiver system,
3 wherein the receiver system comprises, a receiver, a demodulator, a decoder
4 block, a digital to analog D/A converter block, a video output device and an audio
5 output device;

6 receiving, by the receiver, a second digitally compressed
7 modulated signal from a second two-way radio;
8 demodulating, by the demodulator, the second digitally compressed
9 modulated signal;
10 decompressing, by the decoder block, the second digitally
11 compressed signal comprising a second digitally compressed audio signal, a
12 second digitally compressed video signal, or both the second digitally compressed
13 audio signal and the second digitally compressed video signal;
14 converting, by the D/A converter block, any of said decompressed
15 digitized signals into analog signals; and outputting the analog signals to the audio
16 output device, the video output device, or both the audio output device and the
17 video output device,
18 wherein the decoder block comprises a video decoder, an audio decoder,
19 and a demultiplexer coupled to the video decoder and the audio decoder, wherein
20 the video decoder decompresses the second digitally compressed video signal, and
21 wherein the audio decoder decompresses the second digitally compressed audio
22 signal, the method further comprising:
23 switching by a second switching means for switching the second
24 digitally compressed audio signal to the audio decoder, the second digitally
25 compressed video signal to the video decoder, or both the second digitally
26 compressed audio signal to the audio decoder and the second digitally compressed
27 video signal to the video decoder, the second switching means including multiple
28 inputs to receive one or both of the second digitally compressed audio signal and
29 the second digitally compressed video signal, the second switching means
30 including multiple outputs connected to the video decoder and the audio decoder
31 to transmit one or both of the second digitally compressed audio signal and the
32 second digitally compressed video signal to the video decoder and the audio
33 decoder.

1 24. (canceled).

1 25. (canceled).

1 26. (currently amended) The method of claim 23, the decoder block comprises
2 a hardware decoder block.

1 27. (currently amended) The method of claim 23, the decoder block comprises
2 a software decoder block.

1 28. (original) The method of claim 23, wherein the video output device
2 comprises a monitor, and wherein audio output device comprises an amplifier and
3 a speaker.

1 29. (original) The method of claim 23, further comprising receiving the second
2 digitally compressed modulated signal over a service selected from the group
3 consisting of Family Radio Service (FRS) and General Mobile Radio Service
4 (GMRS).

1 30. (original) The method of claim 23, wherein the second digitally
2 compressed signal is compressed using a digital compression standard selected
3 from the group consisting of Moving Pictures Experts Group-4 (MPEG-4).

1 31. (original) The method of claim 23, further comprising receiving the second
2 digitally compressed signal in a bandwidth that is in a range of about 10 Kilobits
3 per second (K/bs) to about 20 K/bs.